

output from said timing means and sequentially activating said control output connections during the time intervals represented thereby, and means for selectively connecting each of said control output connections respectively with a selected pump to provide an energization signal to said pump for operation thereof to direct a gas sample into its associated container during the time interval represented by the control output connection so connected with said pump.

4. The gas sampler of claim 3 wherein said control means further includes time setting means for synchronizing the sequential activation of said control output connections with an external time source.

5. The gas sampler of claim 3 wherein said timing means of said control means includes an oscillator, a timing processor for receiving the output of said oscillator and providing an output representative of hour and minute time divisions, and a memory for holding each of the hour divisions of said timing processor for the duration of the hour represented thereby.

6. The gas sampler of claim 5 further including time display means for displaying hour and minute time division from the outputs of said time processor.

7. The gas sampler of claim 3 wherein said time decoding means includes a plurality of dual input gates, the output of each providing a respective one of said control output connections and the inputs thereto representing the digits of the hour associated therewith.

8. The gas sampler of claim 3 wherein said pumps are constant flow pumps; and said control means includes flow rate selection means for determining the flow of gas into each respective one of said containers by periodically stopping operation of the pump associated therewith during the time interval selected for said container, and a plurality of gates having at least two input terminals, the output terminal of each respective one of said gates being connected to the power input of means for driving an associated one of said pumps, with one of

the inputs being connectable to any one of said control output connections, whereby the output of each of said gates and consequently the operation of the pump associated therewith can only be enabled upon the simultaneous activation of said means for driving said pump by said flow rate selection means and the control output connection connected therewith.

9. The gas sampler of claim 8 wherein said control means further includes time cycle control means for initiating operation of each of said pumps only during a selected time cycle, and one of said gate inputs is connectable to the output of said time cycle control means to enable initiation of each of said pumps only during a selected time cycle.

10. A gas sampler comprising a plurality of gas sample containers, pumping means for directing a quantity of the gas to be sampled into each of said containers, and control means connectable with said pumping means for governing when said pumping means directs a gas sample into each of said containers, said control means including programming means permitting the selected time interval during which said pumping means directs a gas sample into each of said containers to be changed, which programming means includes a plurality of control output connections, each one of which is associated with one of said discrete time intervals, and said control means further includes timing means for generating output representative of the passage of time and time decoding means for receiving said output from said timing means and sequentially activating said control output connections during the time intervals represented thereby, and said control means further including time cycle control means for initiating operation of said pumping means during a selected time cycle and terminating the application of power to said pumping means upon completion of a selected time cycle.

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